

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/007540

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K39/29 C07K14/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 683 864 A (HOUGHTON ET AL) 4 November 1997 (1997-11-04) claim 1	1-3,5, 11-14, 16-26, 31-33
X	WO 01/21189 A1 (EPIMMUNE INC; SETTE, ALESSANDRO; SIDNEY, JOHN; SOUTHWOOD, SCOTT; LIVIN) 29 March 2001 (2001-03-29) cited in the application example 9 claims 1-3,14,22-25,28 tables XXII,XXVI,XXXII -/--	1-3,5, 11-14, 16-26, 31-33

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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- *O* document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search

9 February 2005

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Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Brouns, G

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	INCHAUSPE G ET AL: "DEVELOPMENT OF A HEPATITIS C VIRUS VACCINE" CLINICS IN LIVER DISEASE, SAUNDERS, PHILADELPHIA, PA, US, vol. 7, no. 1, 2003, pages 243-259, XP008039709 ISSN: 1089-3261 page 247, paragraph 2 - page 248, paragraph 3	1-3,5, 11-14, 16-26, 31-33
A	LECHMANN MARTIN ET AL: "Vaccine development for hepatitis C" SEMINARS IN LIVER DISEASE, vol. 20, no. 2, 2000, pages 211-226, XP002316999 ISSN: 0272-8087 page 218, right-hand column - page 219, paragraph 1	1-3,5, 11-14, 16-26, 31-33
A	WO 02/32451 A1 (CISTEM BIOTECHNOLOGIES GMBH; FRITZ, JOERG; MATTNER, FRANK; ZAUNER, WOL) 25 April 2002 (2002-04-25) page 7, lines 33,34 examples 1-3	16,19,20
P,A	WO 2004/014936 A2 (COMMISSARIAT A L'ENERGIE ATOMIQUE; SEDAC THERAPEUTICS; MAILLIERE, BERNA) 19 February 2004 (2004-02-19) page 1	1-3,5, 11-14, 16-26, 31-33

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007540

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5683864	A	04-11-1997	US 5712087 A 27-01-1998
			US 6312889 B1 06-11-2001
			AT 139343 T 15-06-1996
			AT 182684 T 15-08-1999
			AU 639560 B2 29-07-1993
			AU 7651091 A 30-10-1991
			BG 61291 B1 30-04-1997
			BR 9106309 A 20-04-1993
			CY 1881 A 05-04-1996
			DE 69120138 D1 18-07-1996
			DE 69120138 T2 14-11-1996
			DE 69131488 D1 02-09-1999
			DE 69131488 T2 18-11-1999
			DK 450931 T3 01-07-1996
			DK 693687 T3 29-11-1999
			EP 0450931 A1 09-10-1991
			EP 0693687 A1 24-01-1996
			ES 2088465 T3 16-08-1996
			ES 2134388 T3 01-10-1999
			FI 924349 A 28-09-1992
			GB 2257784 A ,B 20-01-1993
			GR 3020964 T3 31-12-1996
			GR 3031361 T3 31-01-2000
			HU 62706 A2 28-05-1993
			HU 217025 B 29-11-1999
			IE 911105 A1 09-10-1991
			JP 2733138 B2 30-03-1998
			JP 5508219 T 18-11-1993
			KR 206150 B1 01-07-1999
			LT 1747 A ,B 25-07-1995
			LV 10344 A 20-10-1994
			LV 10344 B 20-02-1996
			NO 923839 A 19-11-1992
			PL 172133 B1 29-08-1997
			RO 109916 B1 28-07-1995
			RU 2130969 C1 27-05-1999
			WO 9115771 A1 17-10-1991
			AT 286979 T 15-01-2005
			AU 4750493 A 20-01-1994
			AU 666767 B2 22-02-1996
			AU 4750593 A 16-12-1993
			AU 666576 B2 15-02-1996
			AU 4750693 A 16-12-1993
			AU 640920 B2 09-09-1993
			AU 5278390 A 22-10-1990
			CA 2012482 A1 17-09-1990
			CA 2483289 A1 17-09-1990
			DE 388232 T1 02-05-1991
WO 0121189	A1	29-03-2001	AU 6226100 A 24-04-2001
			CA 2377525 A1 29-03-2001
			EP 1200109 A1 02-05-2002
			JP 2003509465 T 11-03-2003
WO 0232451	A1	25-04-2002	AT 410635 B 25-06-2003
			AT 17892000 A 15-11-2002
			AU 1232602 A 29-04-2002
			BR 0114994 A 30-09-2003

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/007540

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0232451	A1	CA 2426490 A1	25-04-2002
		CN 1468109 T	14-01-2004
		CZ 20031299 A3	15-10-2003
		EP 1326634 A1	16-07-2003
		HU 0302117 A2	29-09-2003
		JP 2004511528 T	15-04-2004
		MX PA03002828 A	14-07-2003
		NO 20031595 A	05-06-2003
		NZ 524532 A	29-10-2004
		SK 5752003 A3	02-12-2003
		ZA 200301465 A	24-02-2004
WO 2004014936	A2	FR 2843115 A1	06-02-2004